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September 26, 2005

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Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Art Unit 2685

Attn: Mail Stop Issue Fee

Re: U.S. Utility Patent Application
Application No. 09/770,675; Filed: January 29, 2001
For: **Wireless and Wired Cable Modem Applications of Universal Frequency Translation Technology**
Inventor: Sorrells *et al.*
Our Ref: 1744.0140005

Sir:

Transmitted herewith for appropriate action are the following documents:

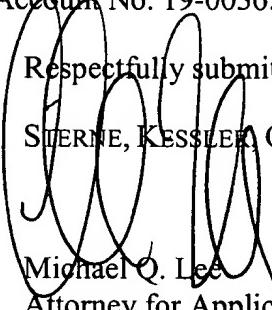
1. Copy of the Notice of Drawing Inconsistency with Specification;
2. Reply to Notice of Drawing Inconsistency with Specification; and
3. One (1) Return Postcard.

It is respectfully requested that the attached postcard be stamped with the date of filing of these documents, and that it be returned to our courier. In the event that extensions of time are necessary to prevent abandonment of this patent application, then such extensions of time are hereby petitioned.

B/
Image

Commissioner for Patents
September 26, 2005
Page 2

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.
Michael Q. Lee
Attorney for Applicant
Registration No. 35,239

MQL/srb
Enclosures

446081_1.DOC



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Sorrells *et. al.*

Appl. No.: 09/770,675

Filed: January 29, 2001

For: **Wireless and Wired Cable Modem
Applications of universal Frequency
Translation Technology**

Confirmation No.: 5430

Art Unit: 2685

Examiner: Tran, Pablo N.

Atty. Docket: 1744.0140005

Reply to Notice of Drawing Inconsistency with Specification

Mail Stop Issue Fee

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Sir:

In reply to the Notice of Drawing Inconsistency with Specification dated September 12, 2005, Applicants submit the following Reply.

FIG. 20G is listed in the Brief Description of the Drawings section of the specification and is referred to in the Detailed Description of the Preferred Embodiments section of the specification, but is not contained in the Drawings. In the specification, FIG. 20A-1 was incorrectly identified as FIG. 20G. Accordingly, Applicants propose the following corrections to paragraphs [0045] and [0046] of the Brief Description of the Drawings section of the specification and paragraph [0151] of the Detailed Description of the Preferred Embodiments section of the specification:

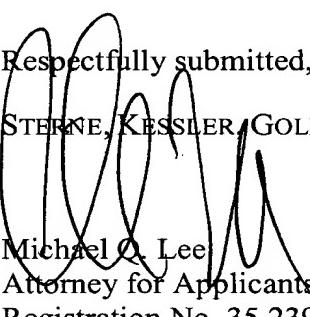
[0045] FIGS. 20A and 20G 20A-1 are exemplary aliasing modules according to embodiments of the invention;

[0046] FIGS. 20B-20F are exemplary waveforms used to describe the operation of the aliasing modules of FIGS. 20A and 20G 20A-1;

[0151] FIG. 20A illustrates an aliasing module 2000 for down-conversion using a universal frequency translation (UFT) module 2002 which down-converts an EM input signal 2004. In particular embodiments, aliasing module 2000 includes a switch 2008 and a capacitor 2010. The electronic alignment of the circuit components is flexible. That is, in one implementation, switch 2008 is in series with input signal 2004 and capacitor 2010 is shunted to ground (although it may be other than ground in configurations such as differential mode). In a second implementation (see FIG. 20G 20A-1), capacitor 2010 is in series with input signal 2004 and switch 2008 is shunted to ground (although it may be other than ground in configurations such as differential mode). Aliasing module 2000 with UFT module 2002 can be easily tailored to down-convert a wide variety of electromagnetic signals using aliasing frequencies that are well below the frequencies of EM input signal 2004.

The proposed corrections add no new matter to this application. Therefore, Applicants respectfully request that the Office approve the proposed corrections.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,
STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

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Date: September 26, 2005

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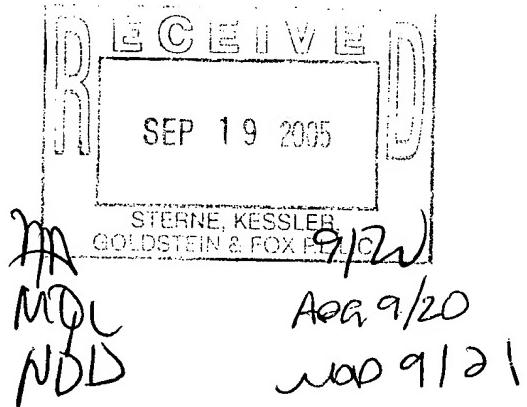
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/770,675	01/29/2001	David F. Sorrells	1744.0140005	5430
26111	7590	09/12/2005		EXAMINER
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			ART UNIT	PAPER NUMBER
				2685

DATE MAILED: 09/12/2005

Please find below and/or attached an Office communication concerning this application or proceeding.



DOCKETED

Drawings due October 12, 2005

UNITED STATES PATENT AND TRADEMARK OFFICE



09 / 770,675

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

NOTICE OF DRAWING INCONSISTENCY WITH SPECIFICATION

The drawings filed 8/30/01 have been received. However, an inconsistency exists between the drawings and the Brief Description of the Drawings in the specification.

Figures 20G are listed in the Brief Description of the Drawings in the specification but not contained in the Drawings.

Figures _____ are contained in the Drawings but not listed in the Brief Description of the Drawings in the specification.

Applicant is required to correct the above-noted inconsistency within a time period of ONE MONTH or THIRTY (30) DAYS, whichever is longer, from the mailing date of this Notice, or within the time remaining in the time period set forth in the Notice of Allowability (Form PTOL-37) to file corrected drawings, whichever is longer. NO EXTENSION OF THIS TIME PERIOD MAY BE GRANTED UNDER EITHER 37 CFR 1.136 (a) OR (b)

Failure to correct the above noted inconsistency will result in abandonment of the application.

The file will be held in the Publishing Division to await the correction of the inconsistency.

Return Corrected Drawings/Specification to:

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